

Title (en)

Environmentally friendly compressed gas driven rotating piston engine with its thermodynamic cycle process

Title (de)

Umweltfreundlicher druckgasbetriebener Kreiskolbenmotor mit seinem thermodynamischen Kreislaufprozess

Title (fr)

Moteur écoresponsable à piston rotatif actionné par un gaz sous pression et son procédé à cycle thermodynamique

Publication

EP 1529928 B1 20090121 (DE)

Application

EP 04090285 A 20040721

Priority

DE 10352520 A 20031104

Abstract (en)

[origin: EP1529928A1] Compressed gas planetary piston engine (34) uses an energy carrier which is stored in the cold state before being injected into the operating cycle in a cold-insulated tank (1). The ambient heat produces a gas pressure in the tank via vaporization of the working medium and regulated as operating pressure via a control unit (8). Preferred Features: The working pistons are divided and consist of piston pairs (29, 30). The piston pairs have a semi-circular shape. Permanent magnets or electromagnets (33) together until the Laval pressure in a diffuser unit (26) is reached. The magnets pull the piston pairs back together during a push stroke.

IPC 8 full level

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CPC (source: EP)

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